

Agenda Item: I.A.4.**DATE:** January 29, 2004**SUBJECT:** Nashville State Technical Community College, Technical Certificate
in Industrial Machine Tools**ACTION RECOMMENDED:** Approval

BACKGROUND INFORMATION: Industrial Machine Tools currently is a concentration in the Engineering Technology A.A.S. degree. The concentration will be terminated upon approval of the proposed technical certificate. Personnel, students and resources will be shifted from the concentration to the technical certificate. This certificate is designed to be responsive to the workforce demands of local business and industry while providing the basic knowledge and skills regarding mechanical industrial processes.

PROPOSED START-UP DATE: Upon approval

Commission staff have reviewed the program proposal according to the academic standards adopted by the Commission on November 14, 2002. Each standard is referenced below.

1.1.20A MISSION: The proposed program is consistent with the mission of the college. "To serve a diverse geographic service area and provides high-quality education and training opportunities to meet the needs of the community."

1.1.20B CURRICULUM: The curriculum for the proposed certificate requires 30 semester hours. No additional courses will be needed to complete the curriculum.

Projected Program Productivity		
Student Projections	FTE Enrollment	Graduates
Year 1	15	0
Year 2	18	5
Year 3	20	10

1.1.20C ACADEMIC STANDARDS: Students applying to the program must meet the College's general requirements as stated in the catalog. Students successfully completing all requirements will be awarded the technical certificate.

1.1.20D FACULTY: The current level of faculty is adequate to support the proposed certificate.

1.1.20E LIBRARY RESOURCES: No additional library resources are required to support the proposed certificate.

1.1.20F ADMINISTRATION/ORGANIZATION: The proposed certificate will be housed in the Division of Business and Technologies.

1.1.20G SUPPORT RESOURCES: None indicated.

1.1.20H FACILITIES/INSTRUCTIONAL EQUIPMENT: Current facilities and instructional equipment are adequate to support the proposed certificate.

1.1.20I STUDENT/EMPLOYER DEMAND: Employers in the industrial and manufacturing industry seek to hire employees with a technical certificate rather than an Associate's degree. The knowledge and skills inherent in the proposed certificate form the basis for most manufacturing oriented businesses.

1.1.20J NO UNNECESSARY DUPLICATION: The proposed technical certificate is offered within the service area of Nashville State Technical Community College and does not duplicate other programs.

1.1.20K COOPERATIVE INSTITUTIONS: None indicated.

1.1.20L DESEGREGATION: The program will not impede the state's effort to achieve racial diversity.

1.1.20M ASSESSMENT/EVALUATION AND ACCREDITATION: There is no accreditation agency for this certificate and the proposed certificate has no SACS implications. Program evaluation will be based on student, alumni and employer surveys and job placement rates.

1.1.20N ARTICULATION: Students interested in a degree program in this area can articulate the certificate into the A.A.S. degree in General Technology.

1.1.20O EXTERNAL JUDGMENT (Graduate Programs):

1.1.20P COST/BENEFIT/SOURCE: No additional costs are associated with the proposed program. Reallocations are made possible by the low producing A.A.S. in Manufacturing Engineering Technology and concentration in Engineering Technology that will be terminated upon approval of the proposed certificate. The proposed certificate will meet the needs of local business and industry by providing students with the basic knowledge of mechanical industrial processes.

1.1.30 POST APPROVAL MONITORING: An annual performance review of the proposed program will be conducted for the first three years following approval. The review will be based on established goals contained in the proposal. A summative evaluation will be required in the third year.